PTO/SB/08A (10-01)

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Suh	Substitute for form 1449A/PTO				Complete if Known		
				IDE	Application Number	10/055,068	
		TION DISCL			Filing Date	January 22, 2002	
51	AIEWE	NT BY APPL	_16/	AN I	First Named Inventor	Kunal Mitra	
	(us	se as many sheets a	s nec	essary)	Art Unit	2882	
					Examiner Name		
s	Sheet	1	of	4	Attorney Docket Number	FIT-100XC1	

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
HC	U1	US-5,327,446	07-05-1994	Waynant	All			
MP	U2	US-5,370,608	12-06-1994	Sahota <i>et al</i> .	All			
MP	U3	US-5,707,332	01-13-1998	Weinberger	All			
M	U4	US-5,916,143	06-29-1999_	Apple et al.	All			
111	U5	US-6,093,141	07-25-2000	Mosseri et al.	All			

		FOREIGN	PATENT DOCL	JMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
Initials*	No. ¹	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	WIWI-DD-1111	Applicant of Oiled Document	or Relevant Figures Appear	T⁴
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

MAY 1 6 2002

Complete if Known **Application Number** 10/055,068 January 22, 2002 Filing Date . 1 **First Named Inventor** Kunal Mitra **Group Art Unit** 2882 **Examiner Name** FIT-100XC1 **Attorney Docket Number**

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		NON PATENT LITERATURE DOCUMENTS				
Examiner Cite Initials* No. 1		Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
MP	R1	BITTL, JOHN A. et al., "Clinical Success, Complications and Restenosis Rates with Excimer Laser Coronary Angioplasty," American Journal of Cardiology, 1992, pp. 1533-1539, Vol. 70.				
1		CATTANEO, CARLO et al., "A Form of Heat Conduction Equation Which Eliminates the Paradox of Instantaneous Propagation," Comptes Rendus, 1958, pp. 431-433, Vol. 247.				
	R2	COURSEY, B.M. et al., "Radionuclide Therapy," Physics Today, April 2000, pp. 25-30.				
	R3	Oliviral Bookha and Estina Developments " Oliviral				
	R4	DE JAEGERE, P. et al., "Endovascular Stents: Preliminary Clinical Results and Future Developments," Clinical Cardiology, 1993, pp. 369-378, Vol. 16.				
	R5	ELLIS, S.G. et al., "Restenosis after Placement of Palmaz-Schatz Stents in Native Coronary Arteries: Initial Results of Multicenter Experience," Circulation, 1992, pp. 1836-1844, Vol. 86.				
	R6	GANNOT, ISRAEL et al., "Current Status of Flexible Waveguides for IR Laser Radiation Transmission," IEEE Journal of Selected Topics In Quantum Electronics, 1996, pp. 880-889, Vol. 2 No. 4.				
	R7	ILEV, ILKO K. et al., "All-Fiber-Optic Sensor for Liquid Level Measurement," Review of Scientific Instruments, 1999, pp. 2551-2554, Vol. 70 No. 5.				
	R8	ILEV, ILKO K. et al., "Grazing-Incidence-Based Hollow Taper for Infrared Laser-to-Fiber Coupling," Applied Physics Letters, 1999, pp. 2921-2923, Vol. 74 No. 20.				
	R9	ILEV, ILKO K. et al., "Ultraviolet Laser Delivery Using an Uncoated Hollow Taper," IEEE Journal of Quantum Electronics, August 2000, pp. 944-948, Vol. 36 No. 8.				
		JOSEPH, D.D. et al., "Heat Waves," Reviews of Modern Physics, January 1989, pp. 41-73, Vol. 61 No. 1.				
	R10	KAMINSKI, W., "Hyperbolic Heat Conduction Equation for Materials with a Nonhomogeneous Inner Structure," Journal of Heat Transfer, August 1990, pp. 555-560, Vol. 112.				
	R11	KIM, W.S. et al., "Hyperbolic Heat Conduction Due to Axisymmetric Continuous or Pulse Surface Heat Sources," Journal of Applied Physics, December 1990, pp. 5478-5485, Vol. 68.				
M	R12	KUCZUMOW, ANDRZEJ et al., "Scheme for X-Ray Tracing in Capillary Optics," Applied Optics, December 1994, pp. 7928-7932, Vol. 33 No. 34.				

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Sheet 3

Con	nplete if Known	
Application Number	10/055,068	
Filing Date	January 22, 2002	
First Named Inventor	Kunal Mitra	
Group Art Unit	2882	
Examiner Name	`	. 2
Attorney Docket Number	FIT-100YC1	•

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HP	R14	KUMAKHOV, M.A. et al., "Multiple Reflection From Surface X-Ray Optics," Physics Reports, 1990, pp. 289-350, Vol. 191 No. 5, North-Holland.	
1	R15	KUMAR, SUNIL et al., "Hyperbolic Damped-Wave Models for Transient Light-Pulse Propogation in Scattering Media," Applied Optics, July 1996, pp. 3372-3378, Vol. 35 No. 19.	
		.KUMAR, SUNIL et al., "Microscale Aspects of Thermal Radiation Transport and Laser Applications," Advances In Heat Transfer, 1999, pp. 187-294, Vol. 33, Academic Press, San Diego.	
	R16	MATSUURA, YUJI et al., "Delivery of F₂ –excimer Laser Light by Aluminum Hollow Fibers," Optics Express, June 2000, Vol. 6 No. 13.	
	R17	MITRA, KUNAL et al., "Development and Comparison of Models for Light-Pulse Transport through Scattering-Absorbing Media, January 1999, pp. 188-196, Vol. 38 No. 1.	
	R18 R19	MITRA, K. et al., "Experimental Evidence of Hyperbolic Heat Conduction in Processed Meat," Journal of Heat Transfer, 1995, pp. 568-573, Vol. 117 No. 3.	
	R20	MOSHER, D. et al., "X radiation from High-Energy-Density Exploded-Wire Discharges," Applied Physics Letter, October 1973, pp. 429-430, Vol. 23 No. 8.	:
		MOSHER, D. et al., "X-Ray Light Pipes," Applied Physics Letter, July 1976, pp. 105-107, Vol. 29 No. 2.	
	R21	PEPINE, CARL J. et al. "A Controlled Trial of Corticosteroids to Prevent Restenosis After Coronary Angioplasty," Circulation, February 1990, pp. 1753-1761, Vol. 81.	
	R22	RINDBY, A., "Applications of Fiber Technique in the X-Ray Region," Nuclear Instruments and Methods in Physics Research, 1986, pp. 536-540, A249, North-Holland, Amsterdam.	
	R23	SCHATZ, RICHARD A.et al. "Clinical Experience With the Palmaz-Schatz Coronary Stent Initial Results of a Multicenter Study," Circulation, 1991, pp. 148-161, Vol. 83	
	R24 R25	SERRUYS, PATRICK W. et al, "A Comparison of Balloon-Expandable-Stent Implantation with Balloon Angioplasty in Patients with Coronary Artery Disease," The New England Journal of Medicine, August 1994, pp. 489-495, Vol. 331 No. 8.	-
MC	R26	TEIRSTEIN, PAUL S. et al., "Two-Year Follow-Up After Catheter-Based Radiotherapy to Inhibit Coronary Restenosis," Circulation, January 1999, pp. 243-247, Vol. 99 No. 2.	

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Filing Date	January 22, 2002		1
First Named Inventor	Kunal Mitra		٠
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		NON PATENT LITERATURE DOCUMENTS	
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198	R27	TOPOL, ERIC J. et al., "A Comparison of Directional Atherectomy with Coronary Angioplasty in Patients with Coronary Artery Disease," The New England Journal of Medicine, July 1993, pp. 221-227, Vol. 329 No. 4.	
1	R28	VEDAVARZ, ALI et al., "Significance of Non-Fourier Heat Wave in Conduction," ASMW Journal of Heat Transfer, February 1994, pp. 221-224, Vol. 116.	
	R29	VERIN, VITALI et al., "Intra-arterial Beta Irradiation Prevents Neointimal Hyperplasia in a Hypercholesterolemic Rabbit Restenosis Model," Circulation, 1995, pp. 2284-2290, Vol. 92 No. 8.	
	R30	VERNOTTE, M.P. et al., "Les Paradoxes de la Theorie Coninue de l'Equation de la Chaleur," Comptes Rendus, 1958, pp. 3154-3155, Vol. 246.	
	R31	WAKSMAN, RON et al., "Endovascular Low-Dose Irradiation Inhibits Neointima Fornation After Coronary Artery Balloon Injury in Swine: A Possible Role for Radiation Therapy in Restenosis Prevention," Cirulation, 1995, pp. 1533-1539, Vol. 91.	
	R32	GANNOT, I. et al., "Broadband Flexible Waveguides for Free-Electron Laser Radiation," Applied Optics, September 1997, pp. 6289-6293, Vol. 36 No. 25.	
	R33	WEIDERMANN, J.G. et al., "Intracoronary Irradiation Markedly Reduces Neointimal Proliferation After Balloon Angioplasty in Swine: Persistent Benefit at 6-Month Follow-Up," Journal of American College of Cardiology, 1995, pp.1451-1456, Vol. 25.	
	R34	WHITWORTH, HALL B. et al., "Effect of Nifedipine on Recurrent Stenosis After Percutaneous Transluminal Coronary Angioplasty," Journal of American College of Cardiology, 1986, pp. 1271-1276, Vol. 8 No. 6.	
	R35	ILEV, ILKO K. et al. "Uncoated hollow taper as a simple optical funnel for laser delivery," Review of Scientific Instruments, October 1999, pp. 3840-3843, Vol. 70 No. 10.	
m	R36	SPILLER, EBERHARD et al. "Propagation of x rays in waveguides," Appl. Phys. Lett., January 1974, pp. 60-61, Vol. 24 No. 2.	

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